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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Martin Ratcliffe  
Serial No.: 09/855,011  
Title: VIDEO HORIZONTAL AND VERTICAL VARIABLE  
SCALING FILTER  
Filed: May 14, 2001  
Attorney Docket No.: 00-323 / 1496.00121  
Examiner: Rosario, D.  
Art Unit: 2621

**CERTIFICATE OF MAILING**

I hereby certify that this letter, the response or amendment attached hereto are being deposited with the United States Postal Service as first class mail in an envelope addressed to Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 10, 2006.

By:

*Jan M. Dunbar*  
Jan M. Dunbar

**REQUEST UNDER 37 C.F.R. §1.48(a) FOR CORRECTION OF INVENTORSHIP  
IN A PATENT APPLICATION**

Mail Stop - AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant hereby requests under 37 C.F.R. §1.48(a) that the above-captioned patent application be amended to add Ahmad  
07/14/2006 TBESHAH1 00000021 122252 09055011  
Sadjadian as an inventor. 01 FC:1464 130.00 DA

Attached are (i) a statement from each person being added as an inventor that the error in inventorship occurred without deceptive intention on his or her part, (ii) an Oath or Declaration by the actual inventor or inventors as required by 37 C.F.R. §1.63

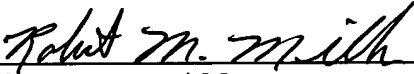
or as permitted by §§ 1.42, 1.43 or § 1.47 and (iii) the written consent of the assignee, along with a certification under 37 C.F.R. §3.73(b).

The payment for the fee as set forth in 37 CFR 1.17(i) should be charged to Deposit Account No. 12-2252.

If any additional fees are due, please charge our office Account No. 12-2252.

Respectfully submitted,

CHRISTOPHER P. MAIORANA, P.C.

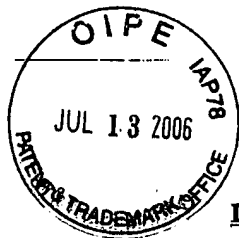
  
Robert M. Miller  
Registration No. 42,892

Dated: July 10, 2006

c/o Henry Groth  
Intellectual Property Law Department  
LSI Logic Corporation  
1621 Barber Lane, MS: D-106 Legal  
Milpitas, CA 95035

Docket No.: 00-323 / 1496.00121

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Martin Ratcliffe et al.  
Assignee: LSI Logic Corporation  
Title: VIDEO HORIZONTAL AND VERTICAL VARIABLE SCALING  
FILTER  
Serial No.: 09/855,011 Filed: May 14, 2001  
Examiner: Rosario, D. Art Unit: 2621  
Attorney Docket No.: 00-323 / 1496.00121

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT RE LACK OF DECEPTIVE INTENT**  
**PURSUANT TO 37 C.F.R. §1.48(a)(2)**

I, Ahmad Sadjadian, hereby state as follows:

1. The error in inventorship in the above-captioned nonprovisional application for patent occurred without any deceptive intention on my part.

Ahmad Sadjadian  
Ahmad Sadjadian

Date: 29-JUNE-2006



Object No. 00-323  
1496.00121

### DECLARATION & POWER OF ATTORNEY

We, the undersigned inventors, hereby declare that:

My residence, post office address and citizenship are given next to my name;

We believe that we are the first, original and joint inventors of the subject matter claimed in the application for patent entitled "**VIDEO HORIZONTAL AND VERTICAL VARIABLE SCALING FILTER**", which:

\_\_\_\_\_ is submitted herewith;

  X   was filed on May 14, 2001 as Application Serial No. 09/855,011 and amended on \_\_\_\_\_;

We have reviewed and understand the contents of the above-identified application for patent (hereinafter, "this application"), including the claims, as amended by any amendment specifically referred to in the oath or declaration;

We acknowledge the duty under Title 37, Code of Federal Regulations, Section 1.56, to disclose to the United States Patent and Trademark Office information known to be material to the patentability of this application. We also acknowledge that information is material to patentability when it is not cumulative to information already provided to the United States Patent and Trademark Office and when it either

compels, by itself or in combination with other information, a conclusion that a claim is unpatentable under the preponderance of evidence standard, giving each term in the claim its broadest reasonable construction consistent with the application, and before any consideration is given to evidence which may be submitted to establish a contrary conclusion of patentability, or

refutes or is inconsistent with a position taken in either (i) asserting an argument of patentability, or (ii) opposing an argument of unpatentability relied on by the United States Patent and Trademark Office;

We hereby claim the priority benefit under Title 35, Section 119(e), of the following United States provisional patent applications:

Application No.

Filing Date

We hereby claim the priority benefit under Title 35, Section 120, of the following United States patent applications:

Serial No.  
09/838,784

Filing Date  
April 19, 2001

Status  
U.S. 6,774,952

We hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>
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Where the subject matter of the claims of this application is not disclosed in the United States or PCT priority patent applications identified above, we acknowledge the duty to disclose information known to be material to the patentability of this application that became available between the filing dates of this application and of the priority United States or PCT patent applications.

We hereby appoint as our attorneys with full power of substitution to prosecute this application and conduct all business in the United States Patent and Trademark Office associated with this application: Customer No. 24319.

24319

PATENT TRADEMARK OFFICE

We declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

Martin J. Ratcliffe

Name of First Joint Inventor

Martin J Ratcliffe

Signature of First Joint Inventor

June 30<sup>th</sup> 2006

Date

Post Office Address: \_\_\_\_\_

484/5 Gilmerton Road

Edinburg, EH17 7SA

Scotland, United Kingdom

Citizen of: United Kingdom

Residence: 484/5 Gilmerton Road

Edinburg, EH17 7SA

Scotland, United Kingdom

**ADDITIONAL INVENTORS ARE BEING NAMED ON AN ADDITIONAL PAGE ATTACHED HERETO.**

Docket No. 00-323  
1496.00121

Page 3 of 3

Ahmad Sadjadian

Name of Second Joint Inventor

Ahmad Sadjadian

Signature of Second Joint Inventor

29-JUNE-2006

Date

Post Office Address:

18 Beech Drive

Swindon, Wiltshire SN5 5DQ

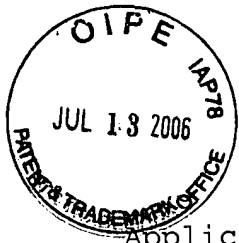
Great Britain

Citizen of: Great Britain

Residence: 18 Beech Drive

Swindon, Wiltshire SN5 5DQ

Great Britain



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Martin Ratcliffe  
Serial No.: 09/855,011  
Title: VIDEO HORIZONTAL AND VERTICAL VARIABLE  
SCALING FILTER  
Filed: May 14, 2001  
Attorney Docket No.: 1496.00121  
Examiner: Rosario, D.  
Art Unit: 2621

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By:

*Jan M. Dunbar*  
Jan M. Dunbar

**CONSENT OF ASSIGNEE TO CORRECTION OF INVENTORSHIP**  
**UNDER 37 C.F.R. § 1.48(a)**

Mail Stop - AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

LSI Logic Corporation, a Delaware corporation, is the assignee of the entire right, title and interest in the above-captioned patent application.

LSI Logic Corporation hereby consents to the requested inventorship correction of adding Ahmad Sadjadian as the second joint inventor of the patent application identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,



---

Timothy R. Croll  
Registration No. 36771  
Sr. Corporate Counsel, IP  
and Assistant Corporate Secretary  
LSI LOGIC CORPORATION

Dated: July 7, 2006

c/o Henry Groth  
LSI Logic Corporation  
1621 Barber Lane, M/S D-106 Legal  
Milpitas, CA 95035

Docket No.: 00-323 / 1496.00121





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Martin Ratcliffe  
Serial No.: 09/855,011  
Title: VIDEO HORIZONTAL AND VERTICAL VARIABLE  
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By:

*Jan M Dunbar*  
Jan M. Dunbar

**CERTIFICATION UNDER 37 C.F.R. § 3.73(b)**

Mail Stop - AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

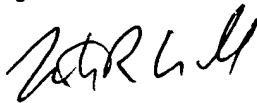
LSI Logic Corporation, a Delaware corporation, certifies that it is the assignee of the entire right, title and interest in the patent application.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,



---

Timothy R. Croll  
Registration No. 36771  
Sr. Corporate Counsel, IP  
and Assistant Corporate Secretary  
LSI LOGIC CORPORATION

Dated: July 7, 2006

c/o Henry Groth  
LSI Logic Corporation  
1621 Barber Lane, M/S D-106 Legal  
Milpitas, CA 95035

Docket No.: 00-323 / 1496.00121

ASSIGNMENT OF APPLICATIONDocket Number: 00-323 / 1496.00121

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

I, the undersigned,

do hereby sell, assign, and transfer to:

LSI LOGIC CORPORATION, a corporation of Delaware, having a place of business at 1621 Barber Lane, Milpitas, California 95035, ("Assignee"), its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements which are disclosed in the application for United States Letters Patent,

which has been executed by the undersigned concurrently herewith,

and which is entitled:

VIDEO HORIZONTAL AND VERTICAL VARIABLE SCALING FILTER

in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications to patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Second named inventor

Name Ahmad Sadjadian  
Ahmad Sadjadian

Date 29-JUNE-2006

Witness Signature: D. Humphreys

Witness Printed Name: D.A. HUMPHREYS

Witness Address: 112 BROAD HINDON

TWIFORD  
READING BELLS  
RG10 0XH U.K.



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

AUGUST 08, 2001

PTAS



\*101732542A\*

LSI LOGIC CORPORATION  
CHRISTOPHER P. MAIORANA  
M/S D-106  
1551 MCCARTHY BOULEVARD  
MILPITAS, CA 95035

00323

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/14/2001

REEL/FRAME: 011830/0010  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

RATCLIFFE, MARTIN J.

DOC DATE: 05/11/2001

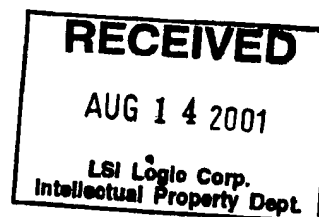
ASSIGNEE:

LSI LOGIC CORPORATION  
1551 MCCARTHY BOULEVARD  
M/S D-106  
MILPITAS, CALIFORNIA 95035

SERIAL NUMBER: 09855011  
PATENT NUMBER:

FILING DATE: 05/14/2001  
ISSUE DATE:

PEARLENE FOSTER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



05-29-2001

PTO-1595

MRD

RE

5-14-01



SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101732542

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Martin J. Ratcliffe

Additional names(s) of conveying party(ies) attached? No

## 2. Name and address of receiving party(ies):

Name: LSI Logic CorporationInternal Address: Intellectual Property Law DepartmentM/S D-106Street Address: 1551 McCarthy BoulevardCity: Milpitas State: CA ZIP: 95035

Additional name(s) &amp; address(es) attached? No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other: \_\_\_\_\_Execution Date: May 11, 2001

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: May 14, 2001

A. Patent Application No(s).

B. Patent No(s).

09855011

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: LSI Logic CorporationInternal Address: Intellectual Property Law Department  
M/S D-106Street Address: 1551 McCarthy BoulevardCity: Milpitas State: CA ZIP: 95035

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 3.41)

\$40.00

☐ Enclosed☒ Authorized to be charged to deposit account  
if necessary

## 8. Deposit Account Number: 12-2252

(Attach duplicate copy of this page if paying by deposit  
account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Christopher P. Maiorana

Reg. No.: 42,829

Signature

May 14, 2001

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

**ASSIGNMENT OF APPLICATION****Docket Number: 00-323/1496.00121**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

I, the undersigned,

do hereby sell, assign, and transfer to:

LSI LOGIC CORPORATION, a corporation of Delaware, having a place of business at 1551 McCarthy Boulevard, Milpitas, California 95035, ("Assignee"), its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements which are disclosed in the application for United States Letters Patent,

which has been executed by the undersigned concurrently herewith,

and which is entitled:

**VIDEO HORIZONTAL AND VERTICAL VARIABLE SCALING FILTER**

in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications to patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**First named inventor**

Name Martin J. Ratcliffe

Date:

Witness Signature: \_\_\_\_\_

Witness Printed Name: \_\_\_\_\_

*Martin J. Ratcliffe*

Witness Address: \_\_\_\_\_

*16 May 2001*